

MDH IS DISRUPTED IN WILD TYPE AFTER TRANSFORMATION WITH pIGT-TMDH1. DOUBLE CROSSOVER EVENT.

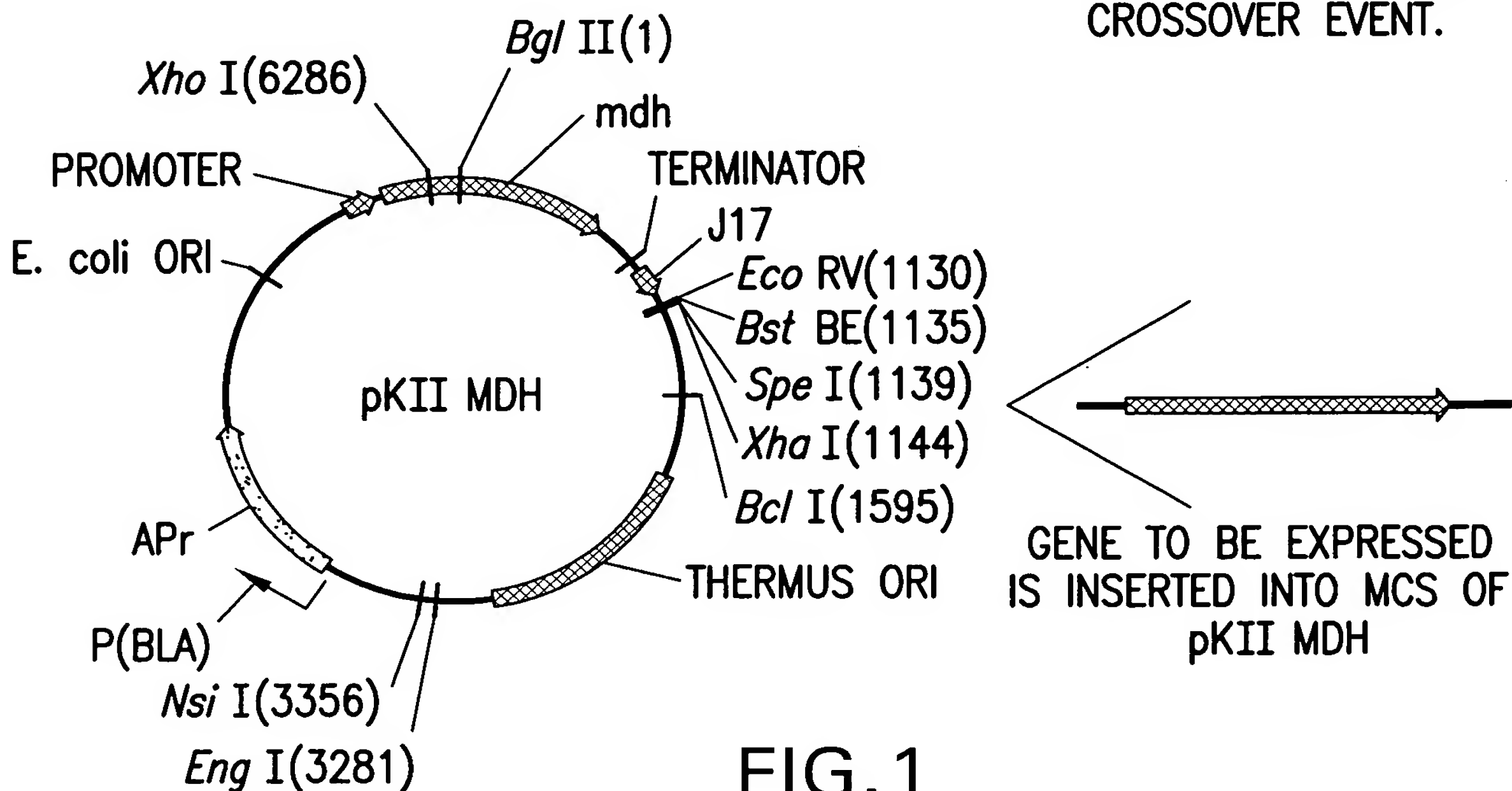


FIG. 1

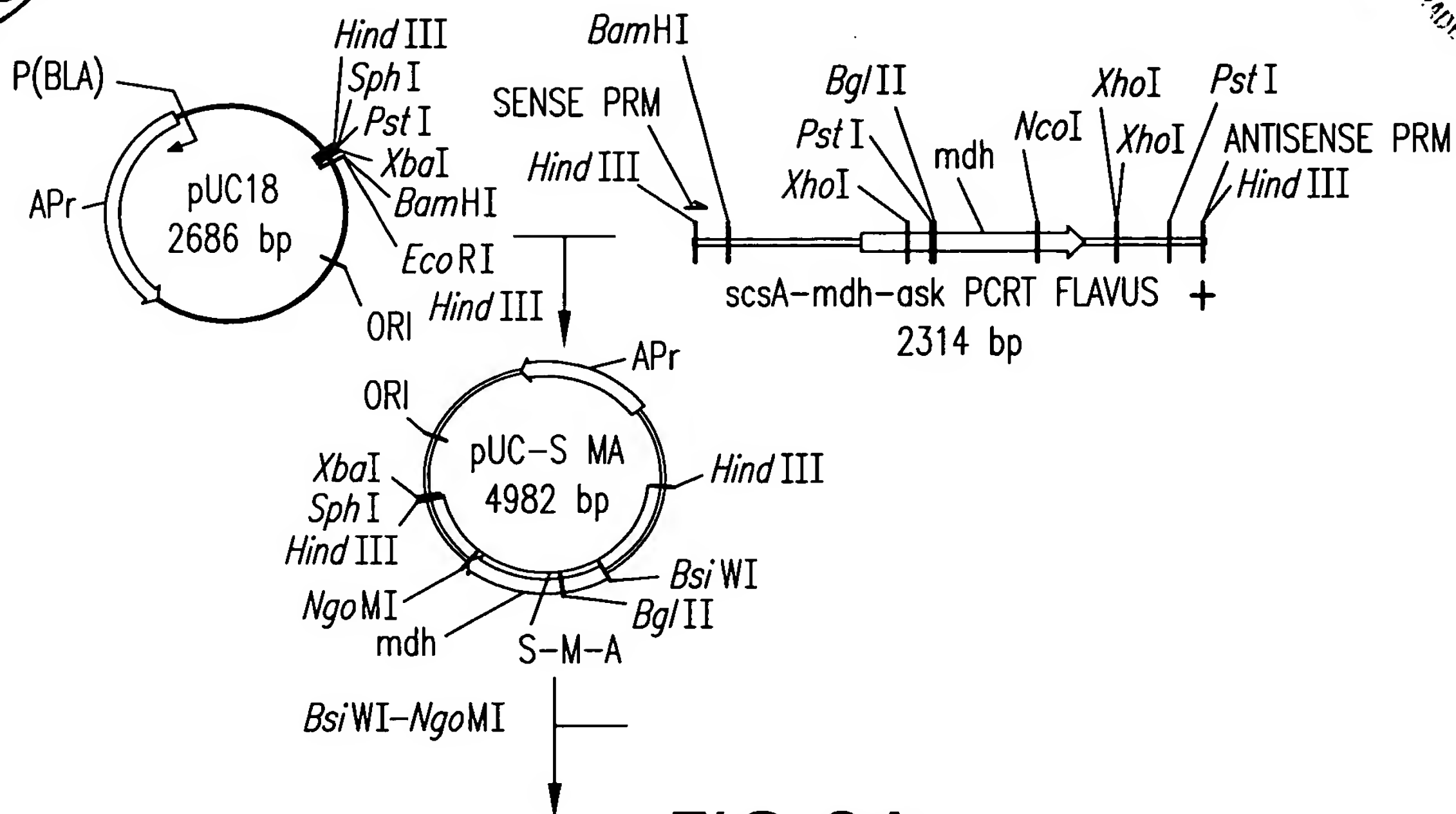
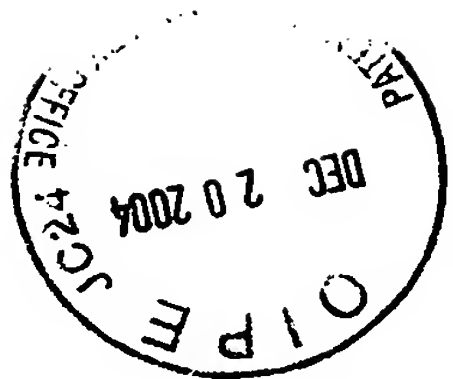


FIG. 2A

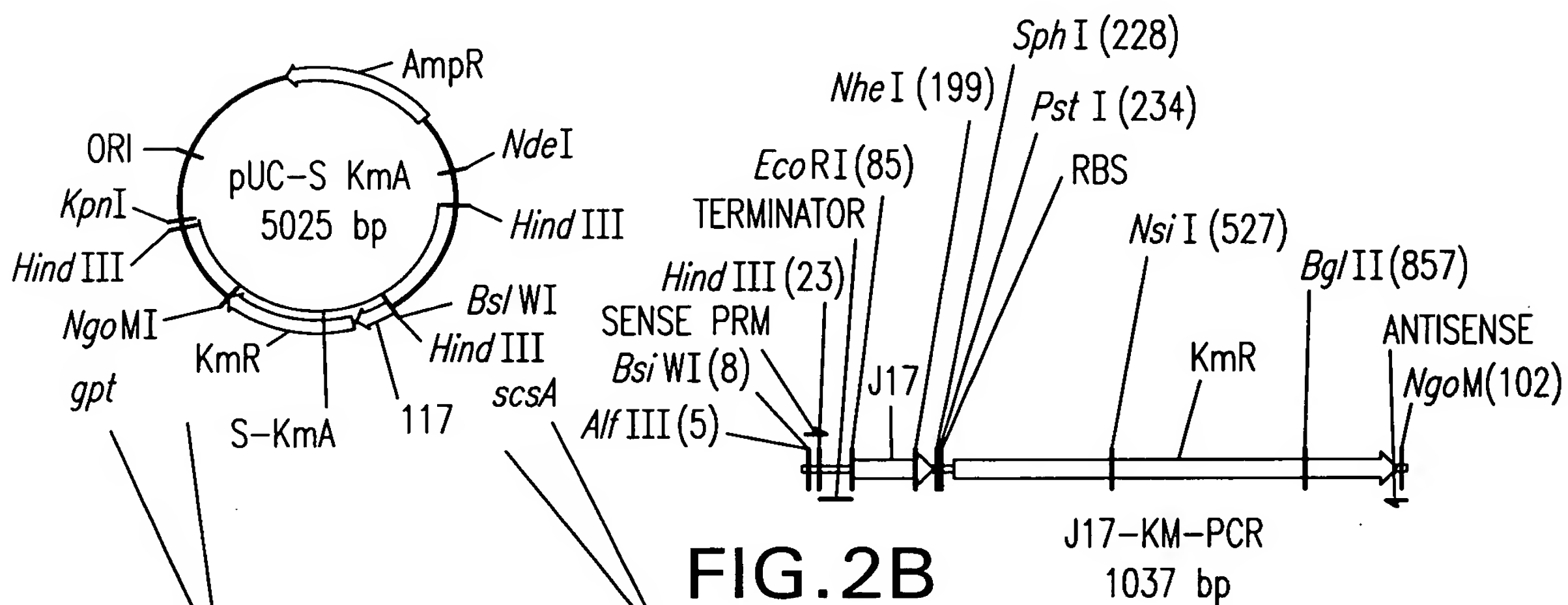


FIG. 2B

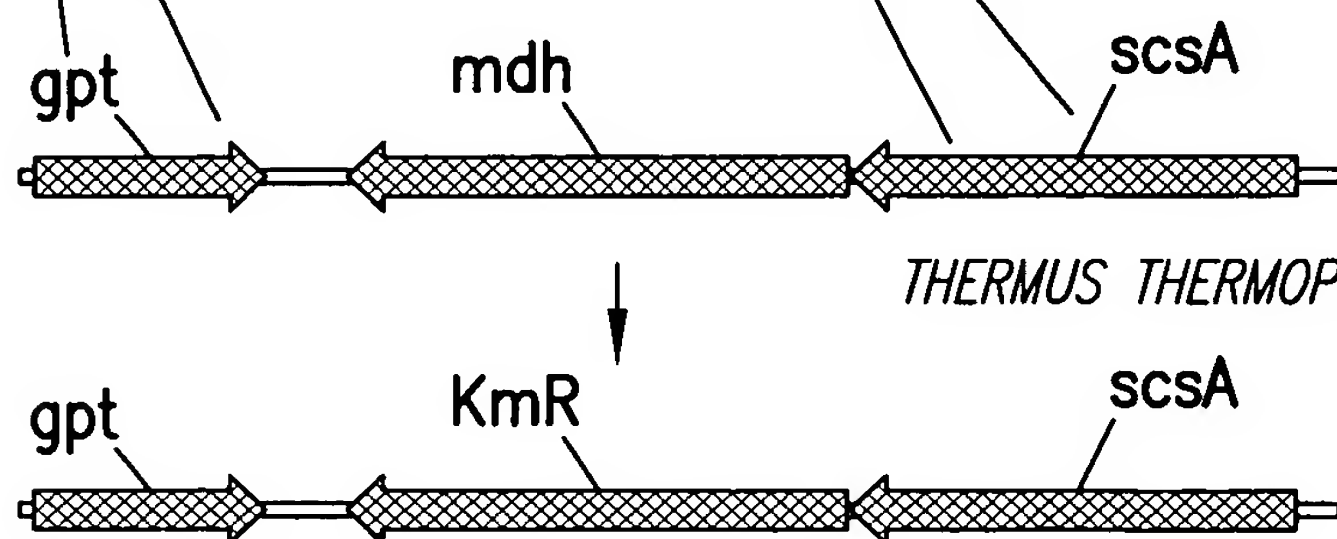


FIG. 2C

OFFICE  
DEC 20 2004  
OIPF

PATENT & TRADEMARK OFFICE  
DEC 20 2004

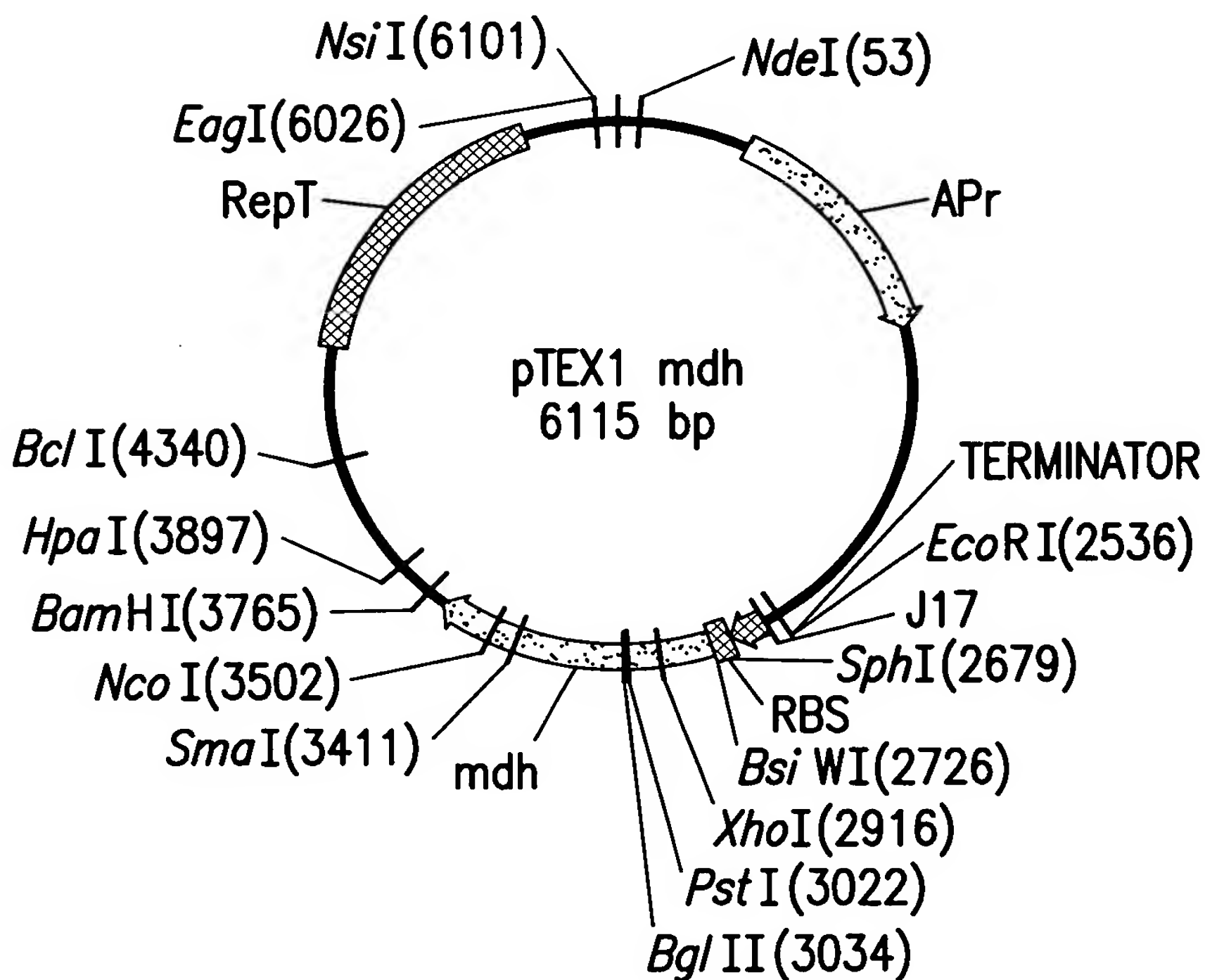


FIG.3A

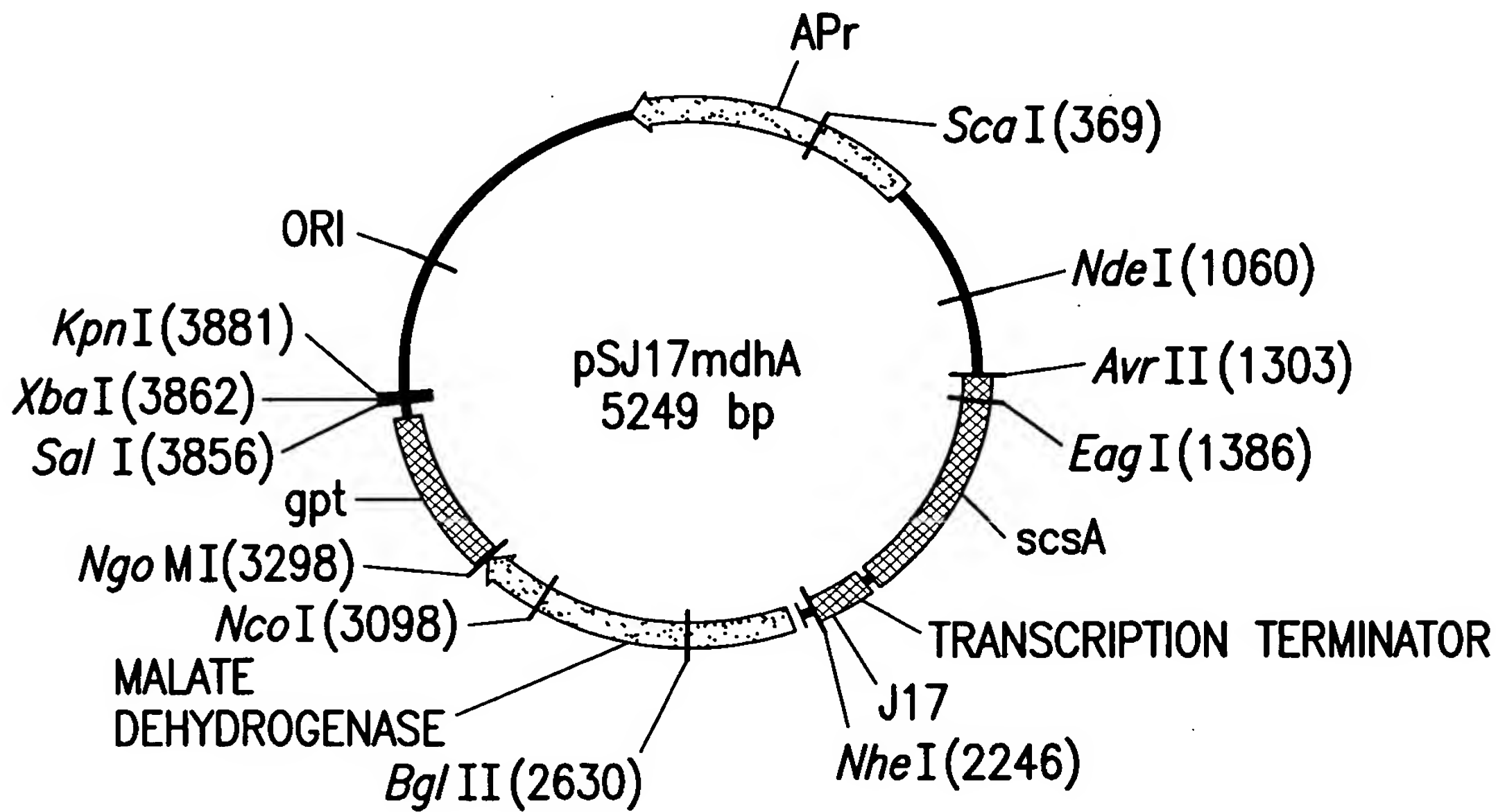


FIG.3B

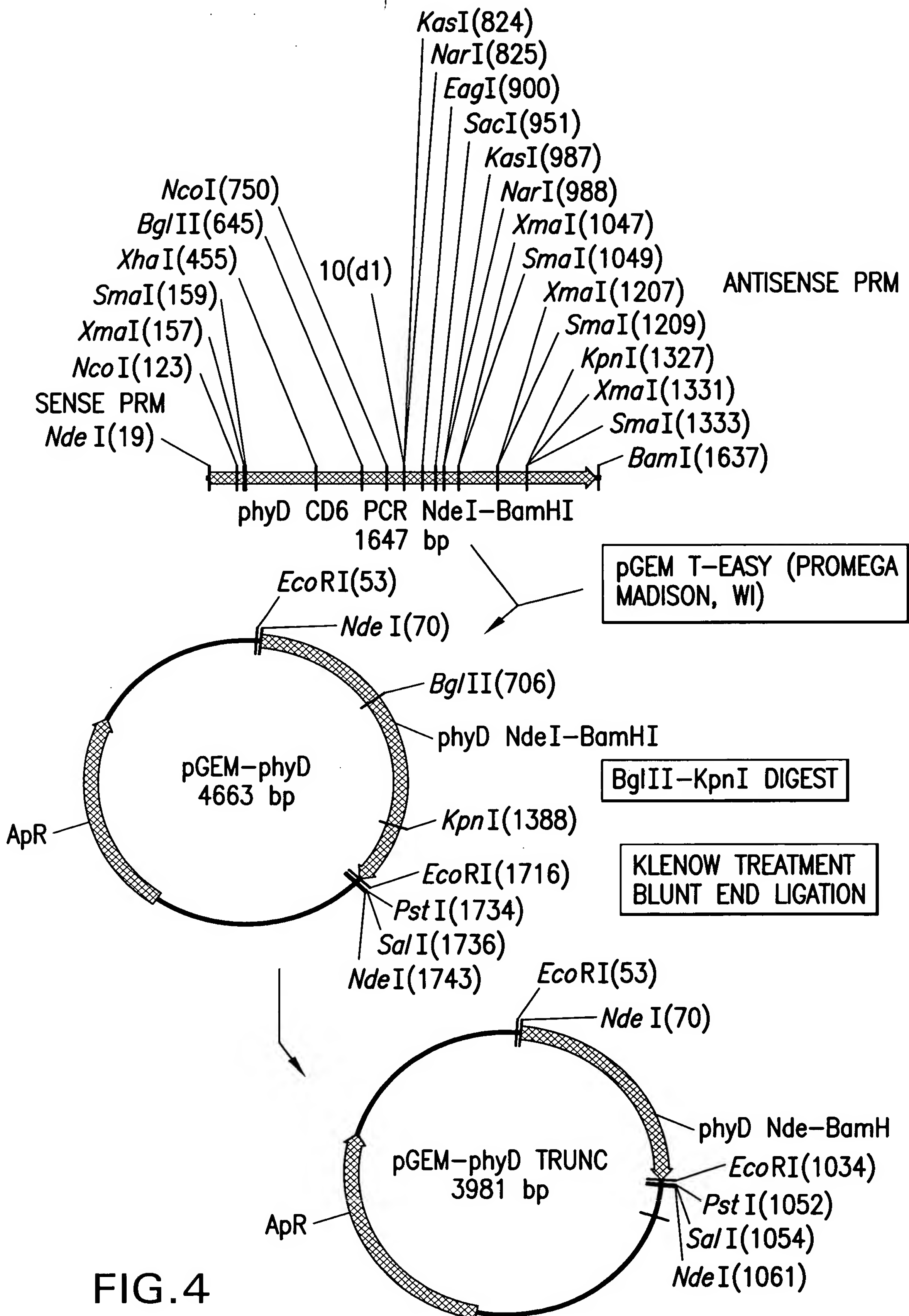


FIG.4

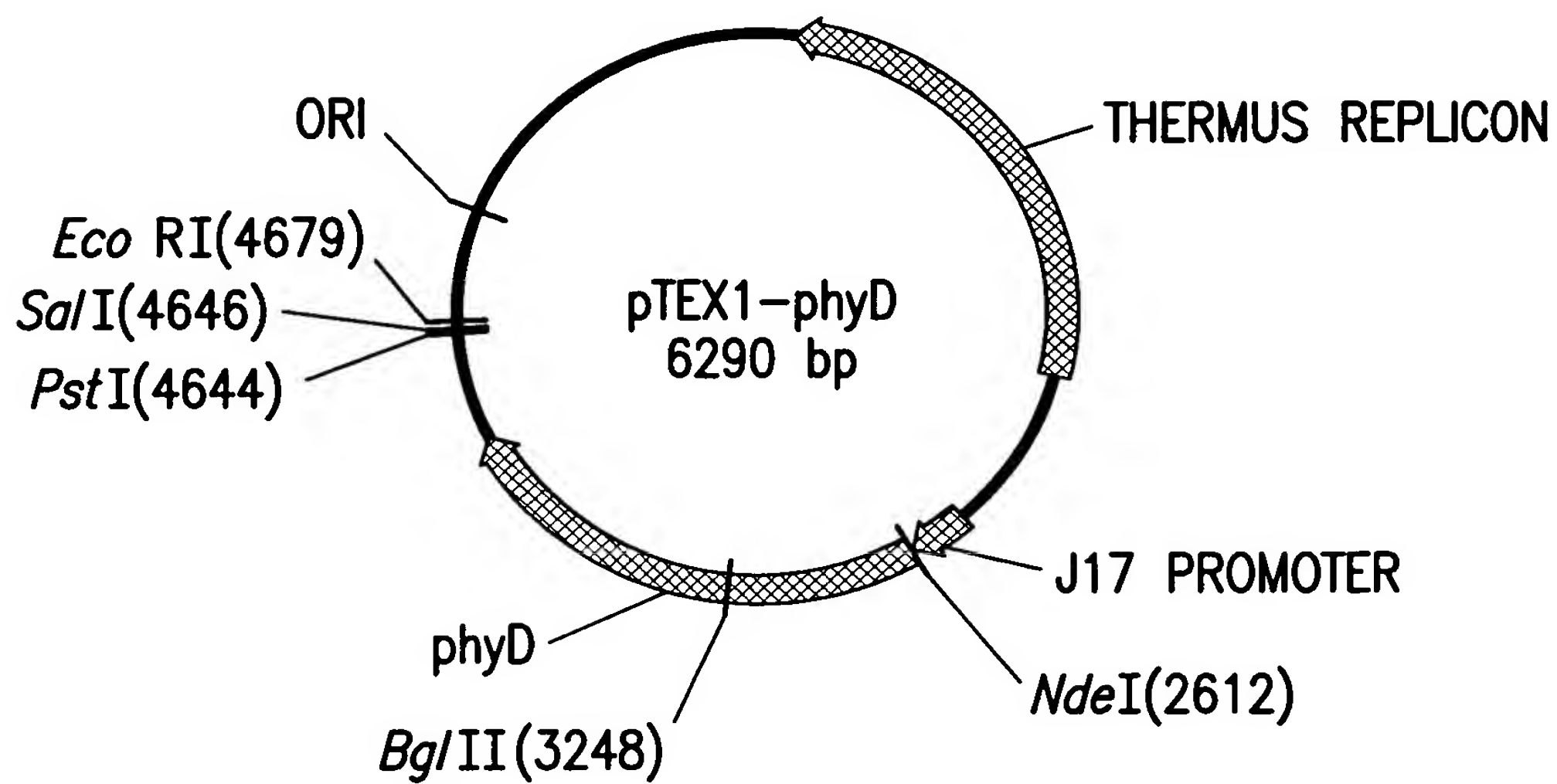
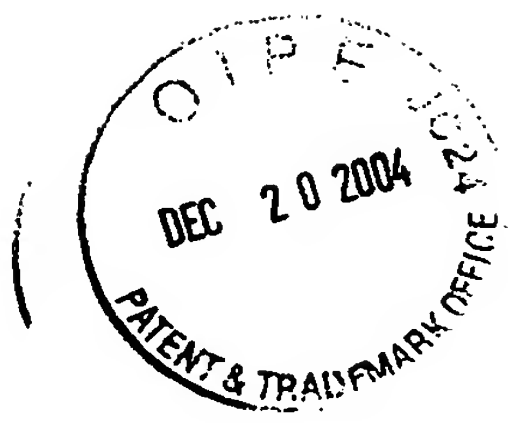


FIG.5

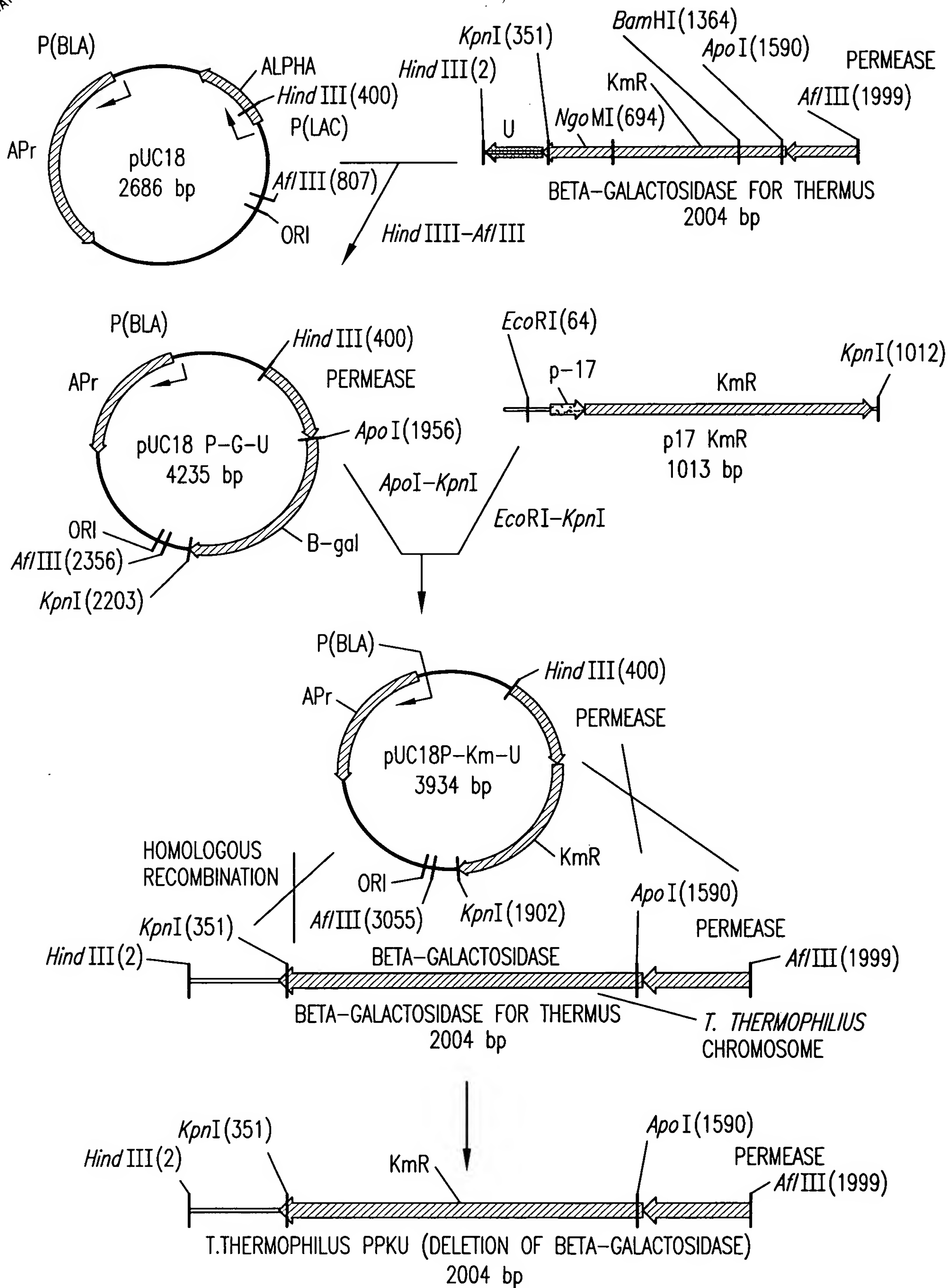
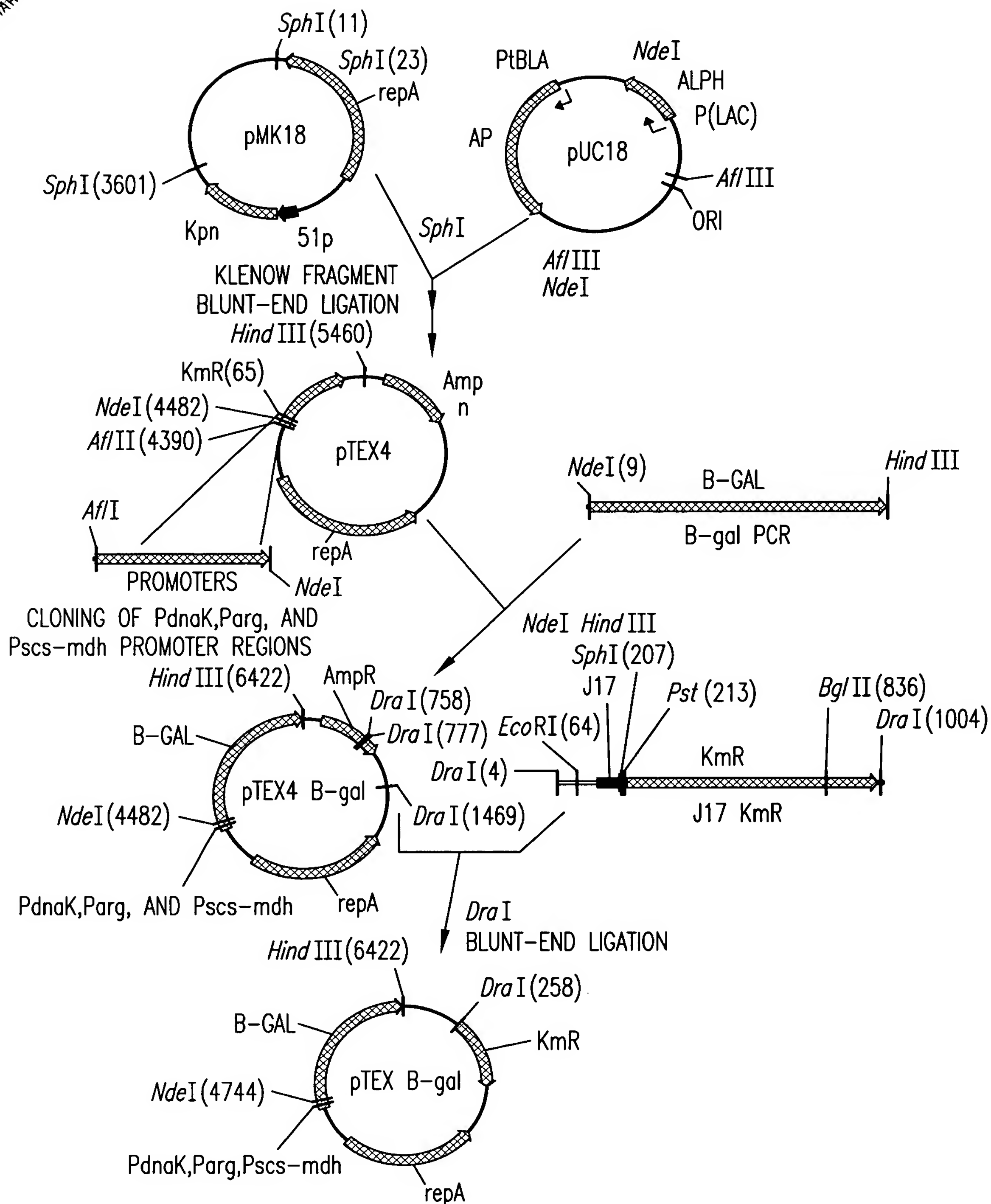


FIG. 6



pTEX7: dnaK HEAT SHOCK INDUCIBLE PROMOTER::  $\beta$ -gal  
pTEX8: ARGININE INDUCIBLE PROMOTER::  $\beta$ -gal  
pTEX9: scs-mdh CARBON-REGULATED PROMOTER:  $\beta$ -gal

FIG. 7

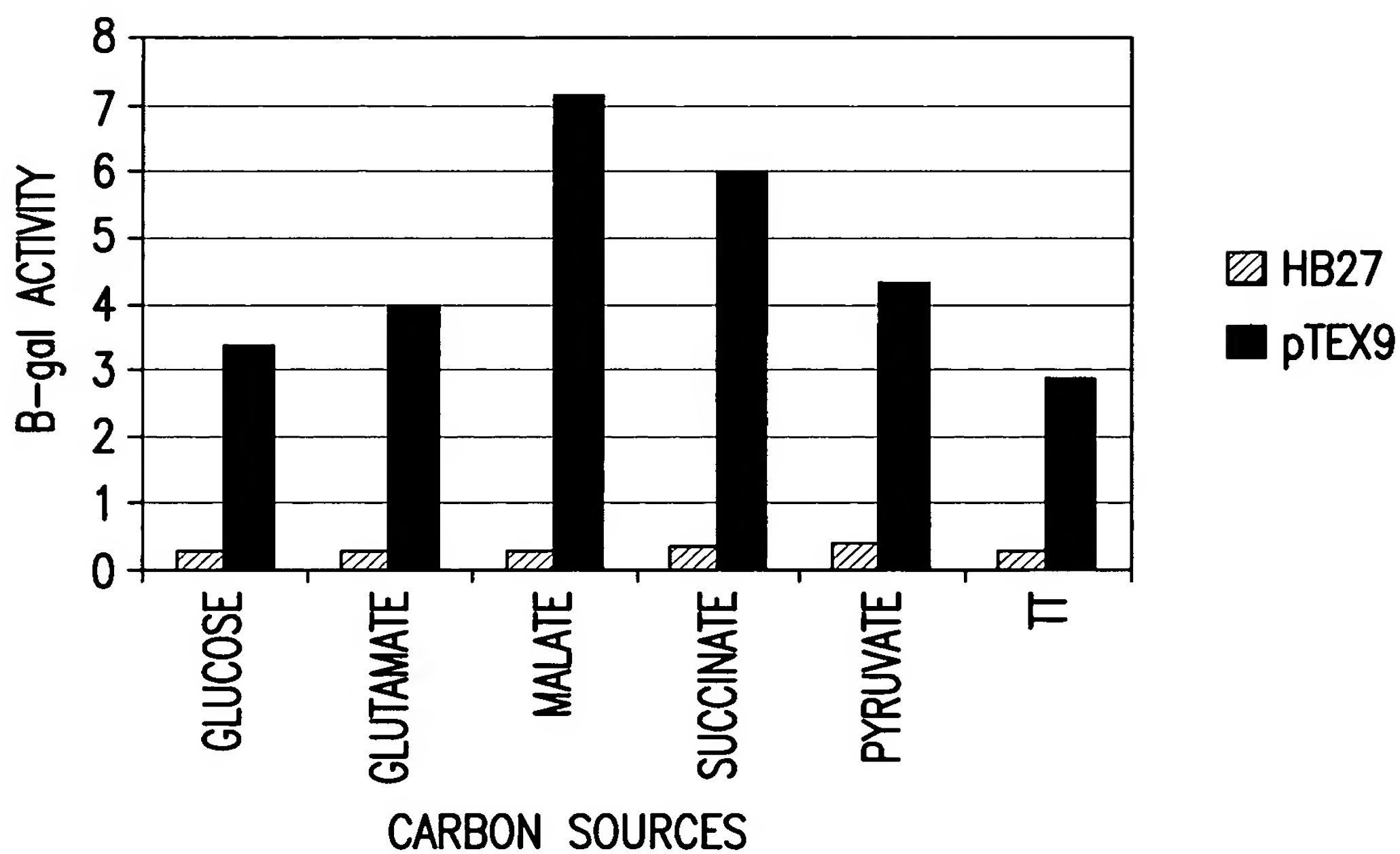


FIG.8



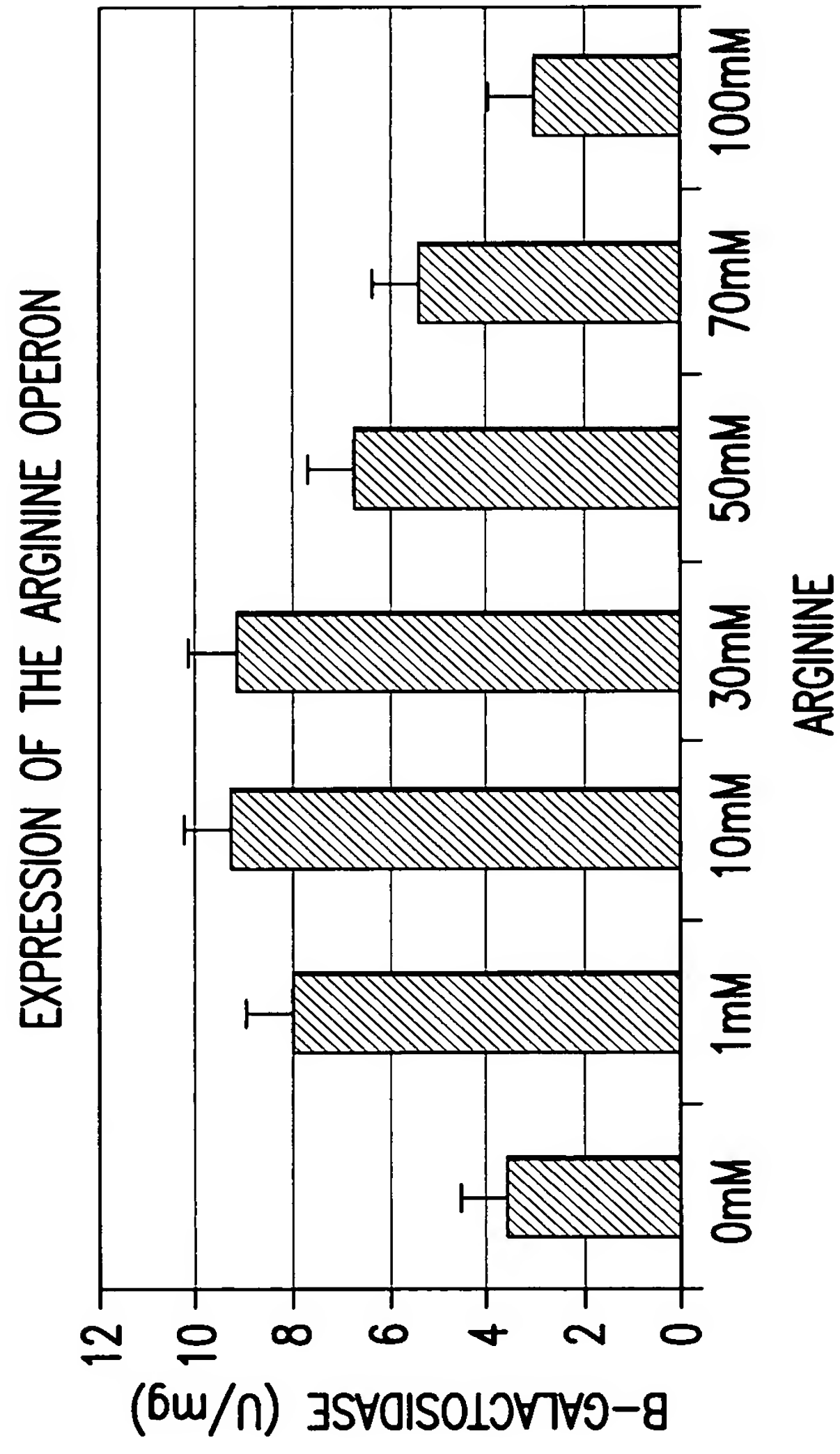


FIG.9